Scalar ring and it's usage.

SENTHIL KUMAR · 14 Jun 2015 · 5 · 2,745

Camera Link Splitter/Rep

Phrontier Technologies

Standard MDR or Mini, PoCL, 2x2 Swit
Base, Medium, Full, up to 85Mhz

phrontier-tech.com

OPEN

Not open for further replies.

~~SENTHIL KUMAR~~
Banned

14 Jun 2015 #1

.

Scalar ring and it's usage.

The scalar ring assembly amplifies the signals which are arriving from the one specific satellite that is the most perfectly in line with a perpendicular beam to the center of an imaginary plane of the dish reflector.

Signals from that satellite which strike the outer areas of the dish, where it might be less efficient for amplification, are reflected back to the dish by the scalar rings and refocused and concentrated better towards the throat of the waveguide of the LNBF or feedhorn.

Otherwise weak signals will be amplified suffiiciently for the receiver to lock on to that signal and provide a more stable signal quality.

signals coming from off the edges of the dish, I think that they also function to increase the efficiency of the outside portions of the dish for the desired signals. Signals hitting close to the middle of the dish